III. *The apparent Times of such of the Immersions and Emersions of Jupiter's Satellites, as are visible at London in the Year* 1737. *By* James Hodgson, *F. R S* (See TAB. I.)

No.	D.	H.	M.	
		JANUARY.		
1	10	4	44	E E. 1
2	18	5	13	E E. 2
		MARCH.		
3	8	5	49	M I. 1
		APRIL.		
4	16	4	28	M I. 1
5	28	3	6	M I. 2
		MAY.		
6	2	2	47	M I. 1
7	12	3	49	M I. 4
8	17	2	25	M E. 3
9	24	3	4	M I. 3
10	25	2	56	M I. 1
11	29	1	48	M E. 4
12	30	2	45	M I. 2
		JUNE.		
13	10	1	9	M I. 1
14	17	3	2	M I. 1
15	23	11	46	E I. 2
16	25	11	23	E I. 1
17	28	11	1	E I. 3
18	29	2	17	M E. 3
		JULY.		
19	1	2	20	M I. 2
20	3	1	16	M I. 1
21	6	3	1	M I. 3
22	10	3	9	M I. 1
23	18	4	46	M I. 4
24	18	11	32	E I. 1
25	25	11	26	E I. 2
26	26	1	27	M I. 1

No.	D.	H.	M.	
		AUGUST.		
27	2	2	3	M I. 2
28	2	3	22	M I. 1
29	3	9	51	E I. 1
30	3	11	7	E I. 4
31	4	2	20	M E. 4
32	9	4	41	M I. 2
33	10	11	10	E I. 3
34	10	11	47	E I. 1
35	18	1	44	M I. 1
36	18	3	13	M I. 3
37	19	8	39	E I. 2
38	25	3	41	M I. 1
39	26	10	11	E I. 1
40	26	11	17	E I. 2
		SEPTEMBER.		
41	3	2	21	M E. 1
42	3	4	43	M E. 2
43	4	8	50	E E. 1
44	8	6	32	E I. 3
45	10	4	18	M E. 1
46	11	10	47	E I. 1
47	13	8	41	E I. 2
48	15	10	36	E E. 3
49	19	0	43	M E. 2
50	20	7	14	E E. 1
51	20	11	20	E E. 2
52	23	2	39	M E. 3
53	26	2	42	M E. 1
54	28	1	59	M E. 2
		OCTOBER.		
55	4	11	8	E E. 1
56	8	5	57	E E. 2
57	10	0	48	M I. 4

| No.	D.	H.	M.	
		OCTOBER.		
58	12	1	5	M E. 1
59	13	7	34	E E. 1
60	15	8	35	E E. 2
61	20	9	29	E E. 1
62	21	6	49	E E. 3
63	22	11	12	E E. 2
64	26	7	12	E I. 4
		9	35	E E. 4
66	27	11	25	E E. 1
67	28	7	49	E I. 3
68	28	10	50	E E. 3
69	29	5	53	E E. 1
		NOVEMBER.		
70	4	1	19	M E. 1
71	4	11	51	E I. 3
72	5	7	48	E E. 1
73	9	5	43	E E. 2
74	12	9	42	E E. 1
75	16	8	18	E E. 2
76	19	11	35	E E. 1
77	21	6	3	E E. 1
78	23	10	53	E E. 2
79	28	7	55	E E. 1
		DECEMBER.		
80	5	9	47	E E. 1
81	10	7	50	E I. 3
82		10	45	E E. 3
83	11	5	17	E E. 2
84	14	6	8	E E. 1
85	17	11	49	E I. 3
86	18	7	51	E E. 2
87	21	7	59	E E. 1
88	28	9	52	E E. 1

The 2*d*, 5*th*, and 8*th* Columns, shew the Times when the Eclipses will happen; the 3*d*, 6*th*, and 9*th*, the Kind. Thus, on the 10*th* of *January*, at 4 h. 44 m. in the Evening there will happen an Emersion of the first Satellite; and the Number 1, which is placed against the 10*th* of *January* in the 1st Column, refers to the Number 1 in the 1st Column of the *Plate* of *Configurations*, against which is placed the *Correspondent Configuration*, or the Form in which the Satellites will appear at that Time.
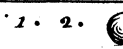
IV. *A*

TAB. I.
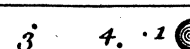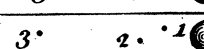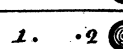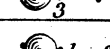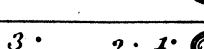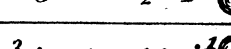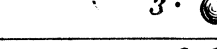
The Configurations of Jupiter's Satellites, at the Time
their Eclipses as are Visible at London, will happen, in the
by James Hodgson F.R.S. Master of the Royal Mathema

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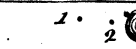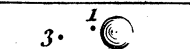1 · ◎   4
1 · ◎
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3 · ◎   2   · 4
1 · 2 · ◎   4 ·
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1 2 ◎   3   · 4
i   3 ◎   2
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2 · ◎   3
1 · ◎   3
2 · ◎   · 4
4 · ◎   · 1
1 · ◎   · 2   3
1 ·   ◎   · 3
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3 · ◎ 1   2 ·   4 ·
· 2 ◎   4 ·
· · 1 ◎   3
1 · ◎   3 ·
2 · 1 · ◎   · 3
3 · ◎ · 1   · 2
3 · ◎   · 1   · 4
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2 1 · ◎   4   3
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1 · ◎   · 2   4
· 2 ◎   3   · 4 ·
1 · ◎   · 2
· 2 · ◎   3   4 ·

30	◎ •2 •4		74	3˙ ˙4 1˙ ◖
31	1˙ ₃◎ •4 ₂		75	˙1 ˙ 2˙ ◖
32	4˙ ◎ 1/2 3˙		76	3˙ 4˙ ˙1◖
33	˙4 ˙2 ◎ 1/3		77	3˙ 2˙ ˙1◖
34	˙4 ◎ 1/3 ˙2		·8	1˙ ˙2 ◖
35	2˙◎ •1 •3 ˙4		79	3˙ 2˙ 1˙◖
36	◎ ˙5 ˙4		80	3˙ ˙4 2˙ ˙1◖
37	˙3 ◎˙2 ˙4		81	3˙◖
38	˙4 2˙ ◎˙1 ˙3		82	3˙◖
39	˙4 ˙3 ◎ ˙2		83	3˙ 1˙ ˙?◖
40	˙4 ˙3 ◎₂		84	1˙◖
41	˙3 1˙◎˙2 4˙		85	4˙ 3˙◖
42	˙3 1˙ ◎₂ 4˙		86	˙4 3˙ 1˙ ˙₂◖
43	3˙ 1˙◖ ˙4		87	4˙ 1˙◖
44	˙4 ˙2 ₃◖ ˙2		88	1˙ ◖

In these Forms will the Satellites appear, if they could be seen with the
they are view'd thro' a Telescope compos'd of two convex Glasses, the Orde

1· ·2

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4. ·1 ·2

2· ·1 4.

· ·2 3 4.

2· 1·

2· ·1

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1· 2 4.

1· 2·3· 4

3· ·1 ·2

1· 2

1· 3··2

1· 3· ·2 4·

th the naked Eye; but if
Order will be inverted.

TAB. I.

Philosoph. Transact. N.º 440.

The Configurations of Jupiter's Satellites, at the Times when such of their Eclipses as are Visible at London, will happen in the Year 1737. by James Hodgson F.R.S. Master of the Royal Mathematical School.

In these Forms will the Satellites appear, if they could be seen with the naked Eye: but if they are view'd thro' a Telescope compos'd of two convex Glasses, the Order will be inverted.